

# **WASTE MANAGEMENT COUNCIL**

**Minutes of August 12, 2004**

**The Hanover Inn at Dartmouth College  
Main Street  
Hanover, New Hampshire 03755**

**MEMBERS PRESENT:** G. Bradley Richards, Chairman; Ronald Allard; Michael Blayney; Steven Crean; Arthur Cunningham; Anthony Illacqua; Elaine Lauterborn; Carl Quiram; and Duncan Watson. A quorum was present.

**(1) Introduction**

(A) Chairman Richards brought the meeting to order at 10:30 a.m. verifying that a quorum was present.

**(2) Appeals/Updates**

5N Associates, Docket No. 04-10 WMC: The parties in the matter of the 5N Associates appeal 04-10 WMC have submitted a formal notification to the Council to withdraw their appeal.

Collis & Aikman/Cardinal Landfill Site, Docket No. 04-12 WMC: The parties in the matter of the Collis & Aikman/Cardinal Landfill appeal 04-12 WMC have submitted a formal notification to the Council to withdraw their appeal.

**(3) Guest Speaker: Andrew Friedland, Ph.D., Professor & Chair of Environmental Studies, Dartmouth College**

Mass Balances: Pollutants and Materials

Dr. Friedland gave a Powerpoint® presentation regarding mass balances of pollutants and materials. The following were included in his presentation:

- Fossil Fuel Combustion
- Forest Floor: O Horizon Overlying Mineral Soil
- Conclusions from Pb Mass Balance Studies
- Transition from Elements to Materials

- (4) **Guest Speaker: Angeline S. Andrew, Ph.D., Assistant Professor, Department of Community & Family Medicine, Dartmouth Medical School**

Health Effects of Toxic Metal Exposure

Dr. Andrew gave a Powerpoint® presentation regarding health effects of toxic metal exposure. The following were included in her presentation:

- Superfund Basic Research Program on Toxic Metals: Multidisciplinary Approach
- Trace Elements in Human Nutrition
- Arsenic as an Environmental Contaminant
- Drinking Water Arsenic Concentrations in New Hampshire
- Toxic Metal in the Environment
- Health Effects of Arsenic Exposure
- Arsenic as a Causative Agent in Cancer
- Arsenic as a Causative Agent in Cardiovascular Disease and Diabetes
- Case-Control Study
- Data and Sample Collection
- Biomarkers of Arsenic Exposure and Effect
- Identification of High Risk Groups
- Arsenic as a Co-Carcinogen
- DNA Damage, Repair and Carcinogenesis
- Biomarkers of Arsenic Exposure and Effect
- Arsenic Exposure and Decreased Expression of DNA Repair Genes
- Evaluating Gene Expression by Microarray
- Toxic Metals Research Program
- Participating Groups

- (5) **Guest Speakers: Lindsey C. Waterhouse, Manager, Safety and Environmental Programs, Dartmouth Hitchcock Medical Center and John Leigh, Recycling and Waste Management Coordinator Dartmouth Hitchcock Medical Center**

Waste Management at Dartmouth Hitchcock Medical Center

Mr. Waterhouse and Mr. Leigh gave a Powerpoint® presentation regarding management and control of waste. The following were included in their presentation:

- Dartmouth-Hitchcock Medical Center's (DHMC) Mission
- DHMC Lebanon Campus
- DHMC Recognitions
- Environmental Activities
- Hazardous and Solid Waste

12:00 p.m. – Council adjourned for lunch.

12:30 p.m. – Meeting reconvened.

**(6) Guest Speaker: Michael Cimis, CHMM, Chemical Hygiene Officer, Environmental Health & Safety, Dartmouth College**

Hazardous Chemical Management in Higher Education

Mr. Cimis gave a Powerpoint® presentation regarding hazardous chemical management in higher education. The following were included in his presentation:

- Facts and Figures
- Regulatory Overview
- Hazardous Waste Management
- Keep It Clean – Laboratory Inspection Schedule
- Prevention
- Challenges in Chemical Management
- Chemical Safety – The Future
- Chemical Management - Primary Goals
- Efficiency
- Challenges in Academia
- Anticipated Benefits
- Keys to Success

The Council unanimously agreed to adjourn.

*Respectfully submitted by Almorinda M. Azeredo, Waste Management Council Clerk.  
A copy of the audio taped recording of this meeting is available upon request. Please contact Ms. Azeredo at 603-271-2905 for more information.*